

Before You Start Installing Natural 5.1.1 on OpenVMS

Before you start extracting the installation CD and installing Natural, read the following sections:

- Installation Prerequisites
- Required UAF and SYSGEN Parameters and Images
- Required Process Privileges
- Installing Natural in a Cluster Environment
- Multiple Versions of Natural
- Naming Conventions
- Recommended Directory Structure

After reading the information contained in this document, please continue with:

Installing Software AG Products for OpenVMS | Installing and Setting Up Natural

Installation Prerequisites

Software

The following products are required for installing Natural for OpenVMS on Alpha/AXP:

- OpenVMS Version 7.2 or above
- Adabas Version 4.1
- Sagbase Version 1.2.3 (only if you install Sagbase with this version)
- Entire Net-Work 3.2.3 (necessary if RPC is used)

Disk Space

The space required on disk will be checked by the PCSI utility during the installation.

Required UAF and SYSGEN Parameters and Images

Parameters

The following UAF (User Authorization File) and SYSGEN parameters should have at least the following values for each Natural user:

Parameter	Function	Minimum Value	Utility
Fillm	File limit	100	UAF
TQElm	Timer queue elements	10	UAF
Enqlm	Lock queue entry limit	1000	UAF
Bytlm	Byte limit	30000	UAF
Maxbuf	Maximum size of buffered I/O transfer	4096	SYSGEN
JTquota	Job table quota	2048	UAF
Pgflquo	Page file quota	50000	UAF
Procsectnt	Process section count	70	SYSGEN

Images

If any of the above-mentioned SYSGEN parameter values are too small, the command procedure *NODENAME_*NATGEN.COM is generated during the installation, and it assigns the proper values to the parameters. If your system does not specify a nodename, *NODENAME* is set to "NONAME".

Note:

After *NODENAME_*NATGEN.COM is executed, the system must be rebooted to activate the new SYSGEN parameter values.

To install the recommended Natural images, the following system resources are required:

Images For	GBLPAGES	GBLSECTIONS
Natural Nucleus	10000	50
Natural Buffer Pool	8000	1

Required Process Privileges

To install the Natural images and to create the Natural buffer pool, the following system privileges are required: **CMKRNL**, **SYSNAM**, **SYSPRV**, **PRMGBL**, **SYSGBL**.

The process privilege **TMPMBX** is required before Natural can be used.

Installing Natural in a Cluster Environment

In a cluster environment, you must install Natural on each node on which it is to be used.

Initial Installation

Depending on the Sagbase installation, the initial Natural installation within a cluster will choose either the common or the specific root directory. Each node must first be prepared by installing Sagbase. The installation procedure checks for an existing Natural installation in the cluster.

Subsequent Installations

Subsequent installations consist of the following steps:

- Checking whether or not system parameters have correct values.
- Modifying NATBPENV_*nodename*.COM according to the parameters specified.
- Modifying the startup component database if STARTUP_NAT5.COM was found in SYS\$STARTUP.
- Executing the command procedure STARTUP_NAT5.COM.

Multiple Versions of Natural

You can use more than one Natural version on your system. Image names contain the current version number, and the command procedure LOGIN.COM is downward compatible.

For Natural 5.1.1 the version number should be used as parameter P1 when LOGIN.COM is called, for example @SAG\$ROOT:[NATURAL]LOGIN 5112.

Activating Another Natural Version

If a specific user wants to use another version in his/her job environment, the UAF parameter **JTQUOTA** must be set to 2048.

If you have already installed Natural system-wide by executing STARTUP_NAT5.COM, the value of the parameter P1 was set to the value of the installed Natural version.

You can now activate another version of Natural in a job environment by executing STARTUP_NAT5.COM with the parameter P1 set to a different value of an existing Natural version.

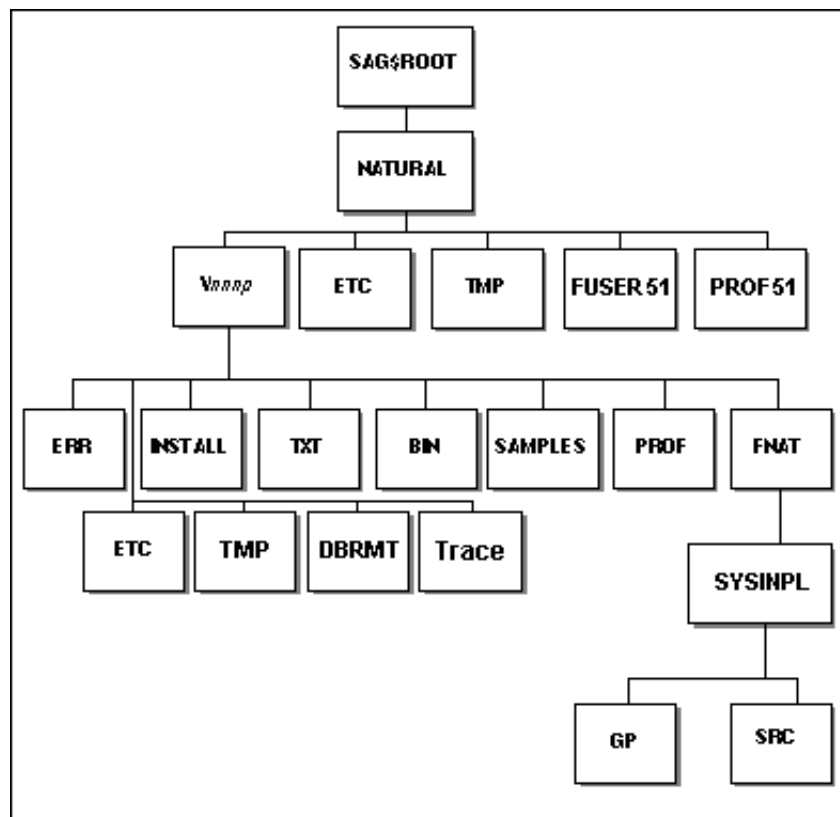
Naming Conventions

The following notations are used in the names of files and directories:

Notation	Description
product	product name or short product name (PPP)
v	version number
r	release number
s	system maintenance level
p	patch level
os	operating system short name

Recommended Directory Structure

The following graphic shows the directory structure for Natural version 5.1.1



The Natural logicals are to be found in a version-specific name table called `Natural_C$Vversionnumber_LOGICAL_NAMES`.